

MAST SPECIFICATIONS and RATED CAPACITIES

B15NS

Model	Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height	Free lift	Tilt Angle		Load capacities
				w/ Load Backrest	w/ Load Backrest	FWD	BWD	LC 500mm
		mm	mm	mm	mm	deg	deg	kg
B15NS	STD	3,000	1,997	3,981	125	6	10	1,500
		3,300	2,147	4,281	125	6	10	1,500
		3,500	2,247	4,481	125	6	10	1,500
	FFT	4,500	2,120	5,479	1,163	6	6	1,300
		4,800	2,220	5,779	1,263	6	6	1,100

B18NS

Model	Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height	Free lift	Tilt Angle		Load capacities
				w/ Load Backrest	w/ Load Backrest	FWD	BWD	LC 500mm
		mm	mm	mm	mm	deg	deg	kg
B18NS	STD	3,000	1,997	3,981	125	6	10	1,750
		3,300	2,147	4,281	125	6	10	1,750
		3,500	2,247	4,481	125	6	10	1,750
	FFT	4,500	2,120	5,479	1,163	6	6	1,500
		4,800	2,220	5,779	1,263	6	6	1,300

B20NSC

Model	Mast Type	Max. Fork Height	Mast Lowered Height	Extended Height	Free lift	Tilt Angle		Load capacities
				w/ Load Backrest	w/ Load Backrest	Fwd	Bwd	LC 500mm
		mm	mm	mm	mm	deg	deg	kg
B20NSC	STD	3,000	2,059	3,981	110	6	10	2,000
		3,300	2,209	4,281	110	6	10	2,000
		3,500	2,309	4,481	110	6	10	2,000
	FFT	4,500	2,159	5,479	1,209	6	6	1,600
		4,800	2,259	5,779	1,309	6	6	1,400

Note : Mast Specifications & Rated capacities are based on standard chassis without side shifter. Products and specifications are subject to improvement and change without prior notices.



B15NS/B18NS/B20NSC

NXE SERIES FORKLIFTS

Electric 1.5 to 2.0 ton capacity

4-wheel



B15NS-200102ENV1 (December 2020)



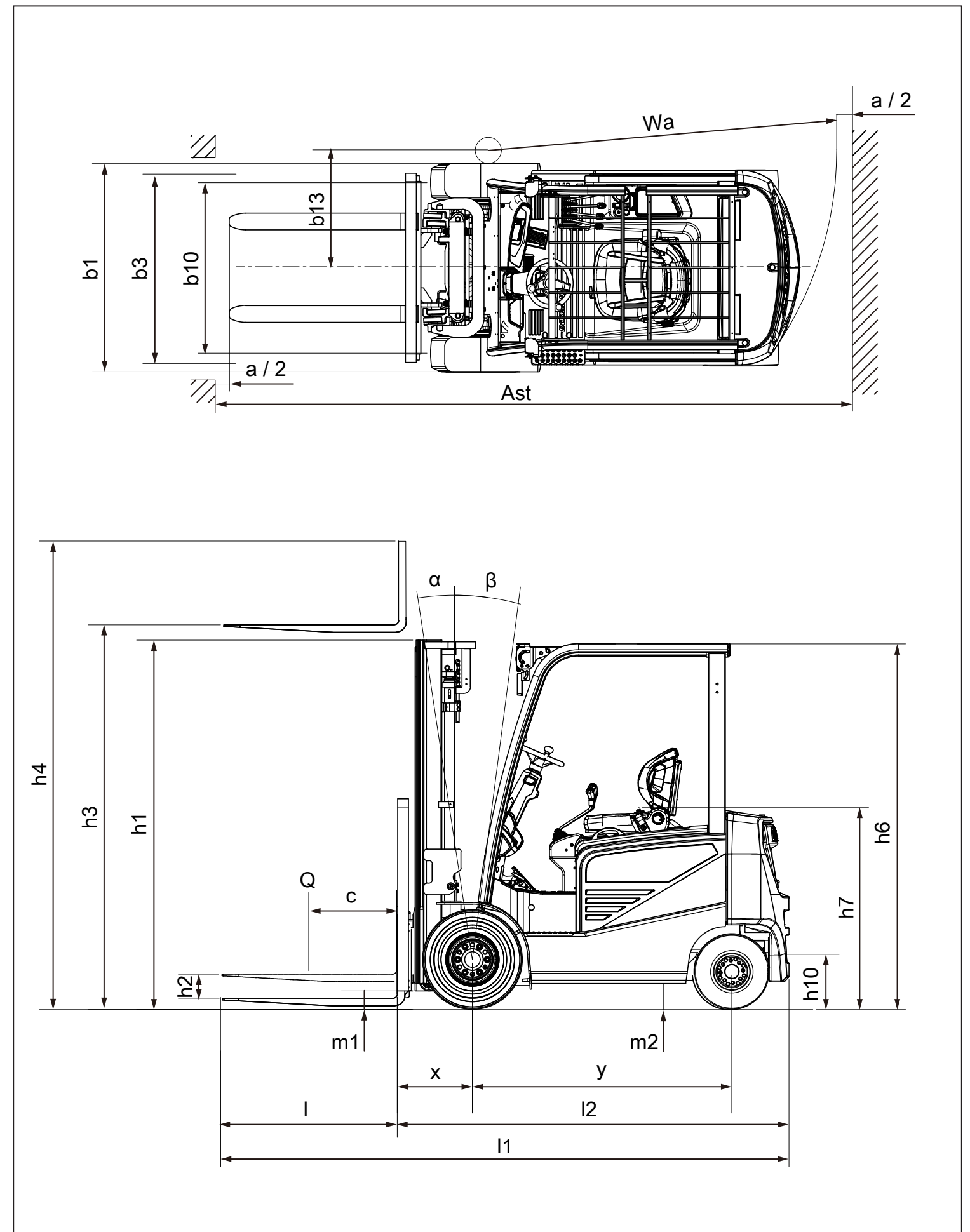
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Authorized Dealer

Technical Data according to VDI 2198

				DOOSAN	DOOSAN	DOOSAN	
Characteristics	1.1	Manufacturer		DOOSAN	DOOSAN	DOOSAN	
	1.2	Manufacturer's type designation		B15NS	B18NS	B20NSC	
	1.3	Drive		Electric	Electric	Electric	
	1.4	Operator typer		Seated	Seated	Seated	
	1.5	Load capacity/rated load kg(lb)	kg	Q	1,500	1,750	2,000
	1.6	Load centre distance	mm	c	500	500	500
	1.8	Load distance, centre of drive axle to fork	mm	x	391	391	396
	1.9	Wheelbase	mm	y	1,360	1,360	1,360
	Weight	2.1	Service weight (with min. weight of battery)		3,020	3,300	3,520
2.2		Axle loading, loaded front/rear	kg	4,035/485	4,535/515	4,950/570	
2.3		Axle loading, unloaded front/rear	kg	1,495/1,525	1,560/1,740	1,620/1,900	
Tyres	3.1	Tires: pneumatic (P), superelastic (SE), cushion (C) SE		SE	SE	SE	
	3.2	Tire size, front		6.5-10-10	6.5-10-10	6.5-10-10	
	3.3	Tire size, rear		5.00-8-10	5.00-8-10	5.00-8-10	
	3.5	Wheels, number front/rear (x=driven wheels)		2X/2	2X/2	2X/2	
	3.6	Tread width, front	mm	b10	970	970	970
	3.7	Tread width, rear	mm	b11	920	920	920
	Dimensions	4.1	Tilt of mast/fork carriage forward (α)/backward(β)	deg	α / β	6/10	6/10
4.2		Height, mast lowered	mm	h1	1,997	1,997	2,059
4.3		Free lift	mm	h2	125	125	110
		Maximum fork height	mm	h3	3,000	3,000	3,000
4.5		Height, mast extended	mm	h4	3,981	3,981	3,981
4.7		Height to top of overhead guard	mm	h6	2,100	2,100	2,100
4.8		Seat height/stand height	mm	h7	1,060	1,060	1,060
4.12		Towing coupling height	mm	h10	290	290	290
4.19		Overall length	mm	l1	3,122	3,122	3,175
4.2		Length to face of forks	mm	l2	2,052	2,052	2,105
4.21		Overall width	mm	b1	1,150	1,150	1,150
4.22		Fork dimensions	mm	s / e / l	35/100/1,070	35/100/1,070	40/100/1,070
4.23		Fork carriage ISO 2328. Class/type A, B			II A	II A	II A
4.24		Fork carriage width	mm	b3	1,040	1,040	1,040
4.24a		Fork Spacing (min/max)	mm		200/1,040	200/1,040	240/1,040
4.31		Ground clearance, with load, below mast	mm	m1	100	100	100
4.32		Ground clearance, centre of wheelbase	mm	m2	105	105	105
4.34.1		Aisle width for pallets 1,000 x 1,200 crossways	mm	Ast	3,481	3,481	3,526
4.34.1		Aisle width for pallets 800 x 1,200 lengthways	mm	Ast	3,681	3,681	3,726
4.35		Turning radius	mm	Wa	1,890	1,890	1,930
4.36	Internal turning radius	mm	b13	575	575	575	
Performance	5.1	Travel speed, loaded / unloaded	km/h		13/15	13/15	13/15
	5.2	Lift speed, loaded / unloaded	mm/s		380/440	350/440	350/440
	5.3	Lowering speed, loaded / unloaded	mm/s		450/500	460/500	470/500
	5.6	Maximum drawbar pull, loaded / unloaded, 5 minute rating	N		12,000 / 13,000	13,000 / 14,000	13,500 / 14,500
	5.8	Maximum gradeability, loaded / unloaded, 5 minute rating	%		13 / 15	13 / 15	13 / 15
	5.10	Service brake			FOOT / HYD	FOOT / HYD	FOOT / HYD
		Parking brake			AUTO / EM	AUTO / EM	AUTO / EM
Electric engine	6.1	Drive motor rating S2 60 minute	kW		8	8	8
	6.2	Lifting motor rating at S3 15%	kW		11	11	11
	6.3	Battery type			Lead-acid	Lead-acid	Lead-acid
	6.4	Battery voltage/nominal capacity K	V/Ah		48/525	48/525	48/525
	6.5	Battery weight	kg		660	660	660
		Battery Compartment L/W/H	mm		398 / 980 / 760	398 / 980 / 760	398 / 980 / 760
Additional data	8.1	Type of drive control unit			Inverter AC	Inverter AC	Inverter AC
	10.1	Working press for attachments	bar	System	175	175	175
				Attachment	155	155	155
10.7	Sound level at the driver's ear according to EN 12 053	dB (A)			73	73	73

DIMENSIONAL DRAWING



Note : Specification values quoted in this specification sheet have been rounded. Performance may vary due to operation conditions. Products and specifications are subject to improvement and change without prior notices.